

Date: Sat, 2 Oct 93 04:30:19 PDT
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
Reply-To: Ham-Ant@UCSD.Edu
Precedence: Bulk
Subject: Ham-Ant Digest V93 #65
To: Ham-Ant

Ham-Ant Digest Sat, 2 Oct 93 Volume 93 : Issue 65

Today's Topics:

Bug Catcher Top Hat & Whip
Cushcraft R7: Want Comments (3 msgs)
Directional 50MHz Antenna for radio phone? (2 msgs)
Ethernet Cable for Amateur Use (2 msgs)
G5RV info swr info
How to access callbook?
Minimum distance from building for 2m ground plane?

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: Fri, 1 Oct 1993 00:03:02 GMT
From: amd!amda1!netcomsv!netcom.com!fmitch@decwrl.dec.com
Subject: Bug Catcher Top Hat & Whip
To: ham-ant@ucsd.edu

I have been observing lots of vehicles with Bug Catcher type antennas at hamfests. On most of these antennas, there is an aluminum plate mounted just above the coil, which is more or less mounted in the center of the antenna. Above the coil/aluminum plate, there is a whip of varying lengths. My question is why are the people using these antennas putting a whip ABOVE the top hat?

Mitch, WA40SR

--
fmitch@netcom.com

Felton Mitchell, WA40SR in Mobile, Alabama USA
co-sysop for W4IAK bbs running fbb ... sysop for WA40SR DXCluster in Mobile..

Date: Fri, 1 Oct 1993 13:15:06 GMT
From: csus.edu!netcom.com!greg@decwrl.dec.com
Subject: Cushcraft R7: Want Comments
To: ham-ant@ucsd.edu

In article <msanders-300993095224@msanders.sim.es.com> msanders@sim.es.com (Milt Sanders) writes:

>I am interested in the Cushcraft R7 antenna. I have heard some good
>comments locally, but would like some comments from others in various parts
>of the country (local is Utah). It sounds "pricey" but covers the bands I
>use and would fit nicely in my available space.

>Thanks (would be interested in a used one for reasonable price)

I, too, am interested in this antenna. I saw in QST that Butternut has a similar, 9-band antenna. I called AES and it isn't in vendor's hands yet. A call to Butternut indicates that it's within a couple weeks (that's what they all say) of being shipped. However, the fellow made it worth the wait, as he indicated that the antenna itself would probably run around \$215 and the counterpoise kit about 50 bucks more. They're happy to send out literature, for which I'm watching the mail.

Date: 1 Oct 93 14:32:09 GMT
From: ogicse!uwm.edu!vixen.cso.uiuc.edu!moe.ksu.ksu.edu!osuunx.ucc.okstate.edu!
olesun!gcouger@network.ucsd.edu
Subject: Cushcraft R7: Want Comments
To: ham-ant@ucsd.edu

In article <gregCE7zH7.Dv2@netcom.com>, Greg Bullough <greg@netcom.com> wrote:
>In article <msanders-300993095224@msanders.sim.es.com> msanders@sim.es.com (Milt Sanders) writes:

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>From what I can tell, Cushcraft has a ways to go to justify their being
>\$150-200 higher than some of the semi-comparable antennas.

The R7 is an end fed half wave it needs no raidals. It has a much lower
angle of radiation than a quarter wavelength vertical and much more
reliable than a 5/8 wave vertical. Make sure the Butternut is an
end fed half wave if you are interested in DX it does make a difference.

Good luck

Gordon AB5dg

Gordon Couger

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Oklahoma State University

114 Ag Hall, Stillwater, OK 74074

gcouger@olesun.agen.okstate.edu 405-744-9763 day 624-2855 evenings

Date: 1 Oct 93 18:12:59 GMT

From: ogicse!uwm.edu!cs.utexas.edu!TAMUTS.TAMU.EDU!news.utdallas.edu!convex!

cowart@network.ucsd.edu

Subject: Cushcraft R7: Want Comments

To: ham-ant@ucsd.edu

msanders@sim.es.com (Milt Sanders) writes:

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>of the country (local is Utah). It sounds "pricey" but covers the bands I
>use and would fit nicely in my available space.

>Thanks (would be interested in a used one for reasonable price)

about a year ago, I borrowed a friend's R7 to compare it to
my butternut HF6V. On all bands the R7 was 1 to 2 S units
noisier than the bnut. I attributed this to the fact the
R7 has a high impedance feed point (end fed dipole).

The bnut beat out the R7 on 40 through 17 meters. they
were about equal on 15 and 12, but the bnut sucked wind
on 10 compared to the R7.

I have the bnut ground mounted using 16 60-foot radials.
The R7 was mounted on a 20 foot mast.

I have the 12 and 17 meter add-on kits on the bnut (as I'm
sure you gathered).

Over all, I liked the performance of the Bnut, but the
R7 is stu, I have 304 c1200 watts).

Mike Cowart, WA5CMI

Date: 29 Sep 93 19:22:48 EST
From: dale.ksc.nasa.gov!titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa
Subject: Directional 50MHz Antenna for radio phone?
To: ham-ant@ucsd.edu

In article <28cf83\$g6@nnrp.ucs.ubc.ca>, oseiler@unixg.ubc.ca (Oliver Seiler) wrote:

> I need to get some information on changing the normal antenna (omni-directional) on a radio phone to a directional antenna, and how feasible > it might be.

Oliver-

Not wanting to be a preacher, I thought it might be a good idea to point out that use of a separate antenna on a 49 MHz cordless telephone may be illegal.

I see you are in Canada, where the rules may be different. In the US, the cordless phones must meet the requirements of Part 15 of the FCC Rules. As I understand it, the antenna must be attached to the unit. Therefore, an antenna mounted on a separate mast, would not meet the requirements. It would be difficult to hold the portable telephone unit still enough to use a directional antenna that was attached.

In theory, one might be able to construct parasitic antenna elements for the base unit, that didn't actually make connection. They would be placed at the correct position to act as reflector and directors, to improve the signal in a desired direction.

This could be an interesting project, but I suspect it will never work as well as you would like.

73, Fred, K4DII

Date: 30 Sep 1993 19:20:20 GMT
From: destroyer!nntp.cs.ubc.ca!unixg.ubc.ca!oseiler@uunet.uu.net
Subject: Directional 50MHz Antenna for radio phone?
To: ham-ant@ucsd.edu

Somebody asked what a radio phone is... Well, it's a phone that uses radio :) Seriously, usually what it is is an addition to your normal phone line that receives in the radio band (and other bands) from a remote handset. Yes, sort

of like a cordless, but much more powerful. You can use them from greater distances, like in a city. Some are analog, others are digital. Most seem to use UHF.

-Oliver

--
| Oliver Seiler + Erisian Development Group + Amiga Developer +
| oseiler@unixg.ubc.ca +-----Reality by the Slice-----+
| oseiler@nyx.cs.du.edu | | (604) 683-5364 |
| ollie@BIX.com | | P0B 3547, MPO, Vancouver, BC, CANADA V6B 3Y6 |

Date: 1 Oct 93 16:38:22 GMT
From: ogicse!hp-cv!sdd.hp.com!hpscit.sc.hp.com!icon.rose.hp.com!
hpchase.rose.hp.com!cmoore@network.ucsd.edu
Subject: Ethernet Cable for Amateur Use
To: ham-ant@ucsd.edu

Lawrence *The Dreamer* Chen (lawrence@combdyn.com) wrote:

: One is 9880 (actually about the same cost as the thin ethernet), what's the
: attenuation at 440 MHz? What's the difference between this stuff and 89880?
: Besides the 89880 being 10 times more expensive? How about 9901?

89880 is listed as the "Plenum version of 9880". The catalog says it has an orange FEP Teflon jacket and FEP insulation, rather than the yellow PVC jacket that the 9880 has. I think this affects it's compliance with fire codes, but I'm not sure.

9901 is a completely different beast - It's not coax, it has 4 twisted pairs inside a foil shield.

Chris Moore
N6IYS
cmoore@mothra.rose.hp.com

Date: 30 Sep 93 13:19:44 GMT
From: news.claremont.edu!bridge2!rental!peter@uunet.uu.net
Subject: Ethernet Cable for Amateur Use
To: ham-ant@ucsd.edu

In article H34@cbnewsm.cb.att.com, gdo@aloft.att.com (Glenn D. O'Donnell) writes:
> I have obtained a good amount of Teflon thick Ethernet coax cable.

> I would like to use it for my amateur antennas. It's shielded beyond
> belief with a braid-foil-braid-foil setup. Does anybody know how it's
> electrical characteristics relate to other popular coax types such as
> Belden 9913? I'm well aware that it is 50 ohm and expensive. :-)
>

I have some, too. It's almost exactly equivalent to high-grade,
double-shielded RG-8. Go ahead and use it as you would RG-8. I have
been running 300 watts at 145 Mhz through a length of it for over a year
now with no problems.

I don't believe it's as good as 9913, which has an air dielectric
(don't have my Belden book handy).

73,
Peter

=====
Peter Simpson, KA1AXY Peter_Simpson@3com.com
3Com Corporation (508) 836 1719
71 Lyman Street Northboro, MA 01532
#include <std_disclaimer.h> Linux = *free!* Unix for 386
=====

Date: Thu, 30 Sep 1993 17:27:53 GMT
From: csus.edu!netcom.com!pineapp@decwrl.dec.com
Subject: G5RV info swr info
To: ham-ant@ucsd.edu

I am wondering if this is normal for a G5RV? What I did
was to measure the SWR using MFJ-249 SWR Analyzer.

The readings are for the lowest SWR.

Frequency	Lowest SWR
51.23 Mhz	1.4
40.07 "	1.1
35.75	2.9
28.74	1.5
17.57	2.3
13.45	1.3
6.66	2.3

Just asking. This is not using an antenna tuner.

```
--  
-----+-----  
| INTERNET: pineapp@netcom.com | Daniel Curry WB6STW/AA |  
| AMPRNET : dan@wb6stw.ampr.org [44.4.20.144] | E-:-) Ham Radio Operator |  
| AX.25 : wb6stw@n0ary.#NOCAL.CA.USA.NA | Redwood City, CA USA |  
-----+-----
```

```
-----  
Date: 30 Sep 1993 10:36:48 -0700  
From: dog.ee.lbl.gov!agate!library.ucla.edu!galaxy.ucr.edu!galaxy.ucr.edu!not-for-  
mail@network.ucsd.edu  
Subject: How to access callbook?  
To: ham-ant@ucsd.edu
```

```
In article <1993Sep29.153444.4859@porthos.cc.bellcore.com>,  
Krishna Sampath <kss@grover..bellcore.com> wrote:  
>In article <28c2ej$25f@quad.wfunet.wfu.edu> matthews@ac.wfu.edu (Rick Matthews)  
writes:  
>>Can anyone tell me how to login to callsign.cs.buffalo.edu, which  
>>has an online callbook? I know how to get in via gopher, but  
>>our gopher client is often down.
```

```
>>  
>try  
>  
> telnet callsign.cs.buffalo.edu 2000  
>  
>where, 2000 is the port number.  
>  
>73  
>krishna  
>
```

On my system I have to be a bit more specific:

```
telnet callsign.cs.buffalo.edu /port=2000
```

-SK

```
-----  
Date: Thu, 30 Sep 1993 09:36:38 -0700  
From: orca.es.com!cnn.sim.es.com!msanders.sim.es.com!user@uunet.uu.net  
Subject: Minimum distance from building for 2m ground plane?  
To: ham-ant@ucsd.edu
```

In article <28d55q\$a1p@usenet.INS.CWRU.Edu>, trier@odin.ins.cwru.edu
(Stephen C. Trier) wrote:

> I live in a third-floor apartment and have limited antenna possibilities.
> I was considering building a basic 2m vertical, perhaps the classic
> coat-hanger ground plane, and mount it outside of a window. I'm trying
> to judge the practicality of this. Is the building proximity going to
> be a problem? How far out must I put the antenna?

>

> Stephen

>

I use a Jpole vertical and it gets out great. I have the twin lead mounted inside a piece of pvc pipe capped on both ends to protect from the weather.

I have leaned it up against the wall and gotten good results, but presently it is clamped to a 2 x 2 mounted on the edge of the roof.

Sticking something like out the window and mounting it on the window ledge may be a good possibility for you. It is inexpensive, easy to build, and is not obtrusive. Sorry I don't have specific answers to your questions.

Milt

-

Opinions, thoughts, &cetera are m
Sutherland.

"He flies the sky
Like an Eagle in the eye
Sutherland."

KB7MSF
Amateur Radio
"Sandman"

America

work: (801) 582-5847 ext 6530
FAX: 5848
home: (801) 224-1757

Date: (null)
From: (null)
Greg

End of Ham-Ant Digest V93 #65
